

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/057221 A1

(51) International Patent Classification⁷: **G01N 33/68**

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(21) International Application Number:

PCT/GB2004/005210

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(22) International Filing Date: 8 December 2004 (08.12.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

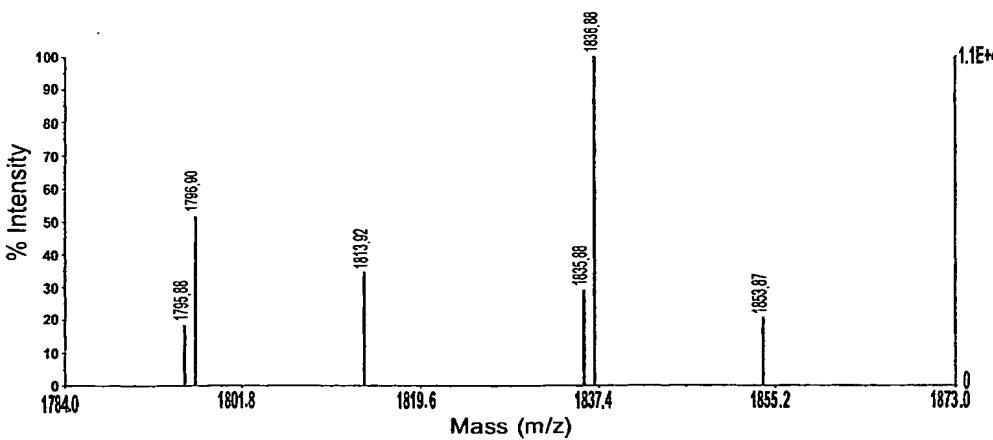
(26) Publication Language: English

Published:

— with international search report

[Continued on next page]

(54) Title: MASS SPECTROMETRY OF ARGININE-CONTAINING PEPTIDES



WO 2005/057221 A1

(57) Abstract: Peptides can be derivatised such that, when ionised and analysed by mass spectrometry, those containing arginine residues give characteristic peak patterns. Peaks corresponding to arginine-containing peptides can therefore be selected from a mass spectrum in order to simplify and improve peptide analysis. Suitable labels give derivatised peptides that have the ability to form both a stabilised ion species ([P]+) and a protonated ion molecular species ([P+H]+) that differ by one average mass unit. A characteristic peak pattern is seen.

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— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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